

Tarea de mate

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Grado: 2B

Segundo año

$$a) f(x) = -x + 5, g(x) = -x - 2$$

$$b) f(x) = \sqrt{-x+1}, g(x) = 4 - 2^x$$

$$g) f(x) = 4x, g(x) = 3x$$

$$b) f(x) = \frac{1}{x}, g(x) = x + 1$$

$$a) (f \circ g)(x) = f(gx) = x + 2 + 5 = f(gx) = x + 7$$

$$(g \circ f)(x) = g(fx) = x - 5 - 2 = g(fx) = x - 7$$

$$b) (f \circ g)(x) = f(gx) = \sqrt{-4 + x^2 + 1} = \sqrt{-3 + x^2} = x\sqrt{-3} / f(gx) = x\sqrt{-3}$$

$$(g \circ f)(x) = g(fx) = 4 + x - 1 / g(fx) = 4 + x - 1$$

$$g) (f \circ g)(x) = f(gx) = 4(3x) = f(gx) = 12x$$

$$b) (f \circ g)(x) = f(gx) = \frac{1}{x+1}$$